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ORDER FOR SUPPLIES OR SERVICES **SCHEDULE - CONTINUATION**

PAGE NO

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER CONTRACT NO. 06/06/2013 EP-W-10-056

ORDER NO. 0061

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT	AMOUNT	QUANTITY
(a)	(b)	ORDERED (c)		PRICE	· ·	ACCEPTED
		(0)	(0)	(e)	(f)	(g)
	The Contractor shall perform services in accordance with the attached and incorporated Statement of Work (SOW) dated May 28, 2013 (4 pages) and the Contractor's proposal dated June 4, 2013 in the amount of \$97,383.00. The total task order obligation/funding ceiling is \$97,383.00, which the Contractor is not authorized to exceed. Any expenditure above this amount is at the Contrator's own risk. This task order is hereby fully funded. The total task order ceiling price for this order is \$97,383.00. This is a time-and-materials (T&M) task order. Services rendered under this task order are for non-severable. This order is issued as a logical follow-on from task order no. 40 pursuant to the contract's terms and conditions under clause B.2 Ordering Procedures (b) (3). TOPO: Tiffany Kollar Max Expire Date: 04/30/2014 Admin Office: SRRPOD					
	US Environmental Protection Agency Superfund/RCRA Regional Procurement Operations 1200 Pennsylvania Ave, NW Washington DC 20460 Period of Performance: 06/06/2013 to 04/30/2014					
	Continued Support for the Waste Reduction Model (WARM) Accounting Info: 13-14-B-31M-302DA2-25851331MRP011-0 01 BFY: 13 EFY: 14 Fund: B Budget Continued				97,383.00	
	TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))				\$97,383.00	

ORDER FOR SUPPLIES OR SERVICES **SCHEDULE - CONTINUATION**

PAGE NO

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Task Order Statement of Work Continued Support for the Waste Reduction Model (WARM) May 28, 2013

BACKGROUND

The Resource Conservation and Sustainability Division (RCSD) was formed within the EPA's Office of Resource Conservation and Recovery to implement the national MSW strategy "The Solid Waste Dilemma: An Agenda for Action." RCSD is responsible for fostering integrated waste management (including waste prevention and recycling), developing State program approval procedures, assessing the status of State programs, and ensuring successful implementation of the entire MSW Program nationwide, in support of RCRA Subtitle D implementation.

To facilitate these activities,

Materials that enter the waste stream have energy impacts (and associated GHG emissions) at each stage of their life cycle. These life cycle stages include:

- acquisition of raw materials,
- processing raw materials,
- manufacture of products from processed materials,
- product use by consumers, and
- product disposal.

Waste reduction practices, such as recycling and reuse, reduce the demand for raw material and energy inputs to the manufacturing stage of the life cycle, thereby conserving energy and reducing GHG emissions. The energy savings and GHG emissions reductions associated with recycling are driven largely by the difference between manufacturing the material using virgin inputs and manufacturing the material using recycled inputs. Energy savings and GHG emissions reductions can also result from waste *disposal* practices, such as waste combustors and landfill gas to energy systems.

Since the energy implications of waste management practices for specific materials and products accrue throughout the life cycle, product-specific energy factors typically require a life-cycle analysis to quantify the benefits. The Waste Reduction Model (WARM) is an EPA tool that uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices.

PURPOSE AND OBJECTIVES

The purpose of this task order is to provide support to ORCR's effort to quantify and articulate the important link between energy efficiency/climate change and management of materials,

through:

- Analysis of new life cycle data for materials already addressed in WARM,
- Generation of GHG emissions factors from those analyses,
- Analysis of life cycle data for materials not yet addressed in WARM,
- Generation of GHG emissions factors for those new materials,
- Maintenance of WARM (both model and documentation), and
- Providing stakeholder support as it relates to the other activities of this task order.

SCOPE OF WORK

The Contractor shall have demonstrated experience and expertise in the development and use of WARM and related tools (ReCon, iWARM); in sources, production and use of life cycle inventory data; and outreach and communication with users of WARM.

The work to be completed and the schedule of deliverables are included in the tasks and subtasks detailed below.

TASK 1. PROGRAM SPECIFIC SUPPORT - ORCR HEADQUARTERS (Task 1 of Contract-level SOW)

The Contractor shall provide technical assistance to the Agency's program to promote the reduction, reuse and recycling of waste through maintenance and enhancement of the Waste Reduction Model (WARM). WARM uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices. The Contractor shall update WARM with new and/or updated material-specific LCI data for organics and landfill modeling numbers.

Review of the organics LCI data was initiated under a previous contract (EPA Contract No.EP-W-07-003, WA 3-64). A workshop was held in 2009 where experts from the field were brought in to discuss how WARM can better represent the benefits of composting, the Contractor will complete the data review, literature review and generate emissions factors suitable for use in WARM.

Review of the organics LCI data was also initiated in 2012 (EPA Contract No. EP-W-10-056, TO 40). This review was done for improving our food scraps category. In this review, 5 food pathways were chosen to add to the WARM model. The modeling of these pathways along will need to be completed and emission factors created for all of them.

Review of the landfill modeling numbers that WARM relies upon. In October 2011, we received a stakeholder request to review our landfill emissions factors and compare them with our combustion emission factors. This work is already underway and will continue into 2013.

The Contractor will update WARM and the WARM documentation with the revised emissions

factors.

The Contractor will prepare the annual WARM update to various factors in the model using current data sources: statistics on the carbon content of fuels, landfill methane generation distribution (by type of landfill), landfill gas recovery and flaring rates, and the non-biogenic carbon content of mixed MSW.

One update of WARM will be released, incorporating the new/revised emissions factors for organics, the updated factors for composting, combustion and landfilling. Updated documentation will be posted simultaneously with the release of the updated model. The update is targeted for late September 2013.

DELIVERABLES	DUE DATES
Revised Emissions Factors for Organics	December 13, 2013
Revised Calculations, Factors and/or Numbers	December 30, 2013
for Composting	
Revised Calculations, Factors and/or Numbers	February 7, 2014
for Combustion and/or Landfills	
Revised WARM documentation, incorporating	March 28, 2014
new Emissions Factors	
Update of WARM to Internet	April 25, 2014
Posting updated WARM documentation to	No later than April 30, 2014
Internet	·

TASK 2. COMMUNICATIONS AND OUTREACH SUPPORT (Task 3 of Contract-level SOW)

The Contractor shall provide communications and outreach support to stakeholders on use of WARM and interpretation of results. These stakeholder contacts will be forwarded to the Contractor by the TOCOR or her designee, and will include e-mail and telephone requests. In addition, the contractor shall (at the request of the EPA TOCOR or her designee) provide support to EPA staff in proper application of WARM.

Each monthly progress report shall list the stakeholder support provided that month, including name, topic, and answer provided.

For the purposes of cost estimation, assume that 24 stakeholder/staff requests are sent to the Contractor for support.

DELIVERABLES	DUE DATES
Monthly report including name, topic, and	Monthly
answer provided.	

Period of Performance

The period of performance for this task order is expected to be from June 10, 2013 until April 30, 2014.

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				R	ayna Brown			
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	New Total Amount for this Award: \$97,383.00				
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<u></u>	C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED IN	ITO PURSUANT TO AUT	THORI	TY OF:		
X	By Mutual Agreement	of the Pa	rties				
	D. OTHER (Specify type of modification	and authority)					
DUNS Nur	TION OF AMENDMENT/MODIFICATION	(Organized by UC	-	uding so	copies to the issuing slicitation/contract subject matter where feasible on Model (WARM)		· · · · · · · · · · · · · · · · · · ·
	iffany Kollar Max Exp pose of this bilatera			the	e following:		
2) Appro 3) Exter 4) Oblic 5) Modi: Continue	ove the Contractor's nd the period of perf gates funds in the am fy the obligation/funed	proposal formance to dount of \$ ding ceil	dated January o June 30, 20 24,801.00; ing; and	y 30 014;	e) dated January 23, 2010, 2014, in the amount of the control of t	of \$24,	
	ND TITLE OF SIGNER (Type or print)		1		IAME AND TITLE OF CONTRACTING OFFIC		
				Ray	na Brown		•
15B. CONTRA	ACTOR/OFFEROR	<u> </u>		11			16C. DATE SIGNED
							02/05/0014
	(Signature of person authorized to sign)			·			03/05/2014

CONTINUATION OUTET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (OF	-
CONTINUATION SHEET	EP-W-10-056/0061/003	2	7	

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	ииіт (D)	UNIT PRICE (E)	AMOUNT (F)
	6) Modify the task order ceiling price.				
	This action adds funding in the amount of \$24,801 to this task order, and hereby increases the total obligated funding ceiling from \$97,383.00 to \$122,184.00, which the Contractor is not authorized to exceed. The Contractor exceeds this amount at their own risk. This task order is fully funded.				
	The total ceiling price for this task order is hereby changes from \$97,383.00 to \$122,184.00.				
	Contractor's Statement of Release:				
	In consideration of the modification agreed to herein as a complete equitable adjustment for the Contractor's January 30, 2014, proposal which serves as a "proposal for adjustment," the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."				·
	This is a non-severable task order.				
	All other terms and conditions remain unchanged.				
	LIST OF CHANGES: Reason for Modification : Supplemental Agreement for work within scope Period Of Performance End Date changed from 2014-04-30 to 2014-06-30 Total Amount for this Modification: \$24,801.00 New Total Amount for this Version: \$122,184.00 New Total Amount for this Award: \$122,184.00 Obligated Amount for this Modification: \$24,801.00 New Total Obligated Amount for this Award: \$122,184.00 Incremental Funded Amount changed: from \$0.00 to \$122,184.00 Maximum Potential Expiration Date changed to: 06/30/2014 CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$97,383.00 to \$122,184.00 Obligated Amount for this modification: \$24,801.00 Continued	·		•	
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CONTINUATION CHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE C	F
CONTINUATION SHEET	EP-W-10-056/0061/003	3	7

NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
.)	(B)	(C)	(D)	(E)	(F)
	Incremental Funded Amount changed from \$0.00 to		\Box		
	\$122,184.00				
	GULLIANA TOD DEL TURDIV LOCUTIVOV. UDOD DED		1		
	CHANGES FOR DELIVERY LOCATION: HPOD RRB Amount changed from \$97,383.00 to \$122,184.00				
	Amount Changed 110m \$97,383.00 to \$122,184.00		1		
	NEW ACCOUNTING CODE ADDED:				
	Account code:	:			
	14-15-B-09J2N-302DA2-25051409JR4513-001				
	Beginning FiscalYear 14				
	Ending Fiscal Year 15				
	Fund (Appropriation) B Budget Organization 09J2N				
	Program (PRC) 302DA2			ŀ	
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1409JR4513-001				
	Quantity: 0				
	Amount: \$7,000.00				
	Percent: 5.72906 Subject To Funding: N				
	Payment Address:				
	rajmone marcoo.				
	CHANGES FOR ACCOUNTING CODE:				
	13-14-B-31M-302DA2-25851331MRP011-001				
	Percent changed from 38.3876 to 30.59566				
	CHANGES FOR ACCOUNTING CODE:				
	12-13-B-31H-302DA1-25851231HMP006-001				
	Percent changed from 61.6124 to 49.10627				
	NEW ACCOUNTING CODE ADDED:				
	Account code: 13-14-B-09J2N-302DA2-25051409JR4512-001				
	Beginning FiscalYear 13				
	Ending Fiscal Year 14				
	Fund (Appropriation) B				
	Budget Organization 09J2N				
	Program (PRC) 302DA2				
	Budget (BOC) 2505 Job # (Site/Project)	1			
	Cost Organization				
	DCN-LineID 1409JR4512-001		1 1		
	Quantity: 0				
	Amount: \$5,000.00				
	Percent: 4.09219	ľ			
	Subject To Funding: N			-	
	Payment Address:			İ	
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CONTINUATION SHEET	EP-W-10-056/0061/003	4	7

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	1 1	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (D143-02)				
	109 TW Alexander Drive				
	Durham NC 27711				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	13-14-B-09J2N-302DA1-25051409JR4512-002				
	Beginning FiscalYear 13				
	Ending Fiscal Year 14				
	Fund (Appropriation) B				
	Budget Organization 09J2N				
	Program (PRC) 302DA1				
	Budget (BOC) 2505				
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1409JR4512-002	1			*
	Quantity: 0	1			
	Amount: \$11,935.00				
	Percent: 9.76805				
	Subject To Funding: N				
	Payment Address:				
	NEW ACCOUNTING CODE ADDED:				
	Account code:		1 . 1		
	13-14-B-09J2N-402C95-25051409JR4512-003	1		1	
	Beginning FiscalYear 13		1		
	Ending Fiscal Year 14		1	l	
	Fund (Appropriation) B Budget Organization 09J2N				
	Program (PRC) 402C95				
	Budget (BOC) 2505			1	
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1409JR4512-003			•	
	Quantity: 0				
	Amount: \$65.00				
	Percent: .0532				
	Subject To Funding: N	1	1 1		
	Payment Address:	·			
	NEW ACCOUNTING CORE ADDED.				
	NEW ACCOUNTING CODE ADDED: Account code:				
	14-15-B-31M-302DA2-25851431MRP007-001				
	Beginning FiscalYear 14	1			
	Ending Fiscal Year 15	1			
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EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Fund (Appropriation) B		Н		
	Budget Organization 31M				
	Program (PRC) 302DA2				
	Budget (BOC) 2585				
	Job # (Site/Project)	i			
	Cost Organization				
	DCN-LineID 1431MRP007-001				
	Quantity: 0				
	'Amount: \$801.00				
	Percent: .65557				
,	Subject To Funding: N				
	Payment Address:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (D143-02)				
	109 TW Alexander Drive				
	Durham NC 27711				
				'	
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (D143-02)				
	109 TW Alexander Drive				•
	Durham NC 27711				
	FOB: Destination				
	Period of Performance: 06/06/2013 to 06/30/2014				
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AMENDMENT #1

Revised Task Order Statement of Work Continued Support for the Waste Reduction Model (WARM) January 23, 2014

This is an amendment to the Statement of Work: Support for the Waste Reduction Model (WARM). This amendment clarifies work to be undertaken within "Task 1. Program Specific Support" to incorporate anaerobic digestion as an additional waste management pathway for organic materials in WARM, leveraging the existing efforts in this SOW to revise emission factors for organics and composting.

BACKGROUND

Products and materials have greenhouse gas emission impacts at each stage of their life cycle. These life cycle stages include:

- acquisition of raw materials,
- processing raw materials,
- manufacture of products from processed materials,
- product use by consumers, and
- disposal.

Waste reduction practices, such as reuse and recycling, reduce the demand for raw material and energy inputs to the manufacturing stage of the life cycle, thereby conserving energy and reducing GHG emissions. The energy savings and GHG emissions reductions associated with recycling are driven largely by the difference between manufacturing the material using virgin inputs and manufacturing the material using recycled inputs. Energy savings and GHG emissions reductions can also result from waste *disposal* practices, such as waste combustors and landfill gas to energy systems.

Since the energy implications of waste management practices for specific materials and products accrue throughout the life cycle, product-specific energy factors typically require a life-cycle analysis to quantify the benefits. The Waste Reduction Model (WARM) is an EPA tool that uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices.

The purpose of this amended SOW is to provide support to EPA's effort to quantify and articulate the energy and GHG reduction benefits of using anaerobic digestion as a waste management option for organics.

AMENDED TASK 1. PROGRAM SPECIFIC SUPPORT

The Contractor shall provide technical assistance to the Agency's program to promote the reduction, reuse and recycling of waste through maintenance and enhancement of the Waste

Reduction Model (WARM). WARM uses process energy and process non-energy GHG data from life cycle inventories to estimate the energy and GHG benefits of alternative waste disposal practices. The Contractor shall update WARM to include anaerobic digestion as a waste management option, utilizing the work that has already been conducted within this SOW to revise the emission factors for organics.

The contractor shall use aggregated life-cycle inventory (LCI) data and shall develop GHG Master information and template for anaerobic digestion as a waste management option (for each category of organic material, but may be expanded to include all materials like in the Canadian version of WARM), in a manner consistent with that currently used to support WARM. This will be consistent with the Intergovernmental Panel on Climate Change guidance for estimating GHG emissions.

In conjunction with the existing schedule of planned updates, the Contractor will update WARM and the WARM documentation with the additional materials management option – anaerobic digestion.

DELIVERABLES	DUE DATES
Meeting with the EPA TOCOR and EPA staff	WITHIN 3 WEEKS OF PROPOSAL APPROVAL
·	
to discuss the project and recommended approach	
Memo on the approach and incorporation of anaerobic digestion into WARM	APRIL 1, 2014
Revised Calculations, Factors and/or Numbers for anaerobic digestion	JUNE 12, 2014
Revised WARM documentation, incorporating	TBD

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2. AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	L QUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
004		See Block 16C	PR-0	OSWER-14-00135	, ,,
6. ISSUED BY	CODE	SRRPOD	7. AD	MINISTERED BY (If other than Item 6)	CODE
Superfu Operati 1200 Pe	ronmental Protection and/RCRA Regional Procons annsylvania Ave, NW aton DC 20460	-			
	ADDRESS OF CONTRACTOR (No., stree	t, county, State and ZIP Code)	(x) 9A	. AMENDMENT OF SOLICITATION NO.	
9300 LE	ORPORATED, L.L.C. E HIGHWAY VA 220316050		95 × 10 × E	A. MODIFICATION OF CONTRACT/ORDER P-W-10-056 061 B. DATED (SEE ITEM 13)	NO.
CODE 07	72648579	FACILITY CODE		06/06/2013	
		11. THIS ITEM ONLY APPLI			
Items 8 and separate le THE PLAC virtue of thi to the solici	to 15, and returning co tter or telegram which includes a reference E DESIGNATED FOR THE RECEIPT OF s amendment you desire to change an offe tation and this amendment, and is received	pies of the amendment; (b) By act to the solicitation and amendme OFFERS PRIOR TO THE HOUR or already submitted, such change d prior to the opening hour and do	cknowledging re ent numbers. FA AND DATE SP e may be made ate specified.	ion or as amended, by one of the following mo ceipt of this amendment on each copy of the o NLURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF N by telegram or letter, provided each telegram	offer submitted; or (c) By D BE RECEIVED AT YOUR OFFER. If by or letter makes reference
See Sch	TING AND APPROPRIATION DATA (If red Ledule	quired)	Net Ind	crease: \$	75,312.00
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS	ORDERS. IT N	ODIFIES THE CONTRACT/ORDER NO. AS D	ESCRIBED IN ITEM 14.
X X	ORDER NO. IN ITEM 10A. FAR 52.243-3 ChangesTin B. THE ABOVE NUMBERED CONTRACT	ne and Materials or I	abor Hour	GES SET FORTH IN ITEM 14 ARE MADE IN s (SEP 2000) (definitized cl MINISTRATIVE CHANGES (such as change	nange)
	appropriation date, etc.) SET FORTI C. THIS SUPPLEMENTAL AGREEMEN				
X	By Mutual Agreement		NI TO AUTHOR	arror:	
	D. OTHER (Specify type of modification				<u></u> .
E. IMPORTAN	IT: Contractor Dis not,	x is required to sign this document	ment and return	1 copies to the issui	ng office.
DUNS Nu				solicitation/contract subject matter where feas	sible.)
The pur 1) Inco 2) Appr 3) Obli 4) Exte 5) Modi 6) Modi Continu	ove the Contractor's gate funds in the amo nd the period of perf fy the obligation/fun fy the task order cei ed oxided herein, all terms and conditions of the contract of	l modification i tatement of work proposal dated M unt of \$75,312.0 ormance until Oc ding ceiling; an ling price.	s to: (4 page arch 27, 0; tober 31 d	eretofore changed, remains unchanged and in	f \$75,312.00;
15A. NAME A	AND TITLE OF SIGNER (Type or print)		ļ	NAME AND TITLE OF CONTRACTING OFF rolyn Mosinski	-ICER (Type or print)
158. CONTR	ACTOR/OFFEROR	15C. DATE SIC	GNED 11	awlyn W. Mosinski	ELECTRONIC 16C. DATE SIGNED SIGNATURE 04/15/2014
	(Signature of person authorized to sign)			· ·	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE (OF .
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ГЕМ NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
144/	(5)	(0)	(D)	(E)	([]
	This action adds funding in the amount of \$75,312.00 to this task order and hereby increases the total overall ceiling from \$122,184.00 to \$197,496.00, which the Contractor			·	
	is not authorized to exceed. The Contractor exceeds this amount at their own risk. This task order is fully funded.				
	The total task order ceiling price for this task order is hereby changed from \$122,184.00 to \$197,496.00.				
	Contractor's Statement of Release:				
	In consideration of the modification agreed to herein as a complete equitable adjustment for the Contractor's March 27, 2014, proposal which serves as a "proposal for adjustment," the Contractor hereby releases the Government from				
	any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."				·
	This is a non-severable task order.				
	All other terms and conditions remain unchanged.				
	LIST OF CHANGES: Reason for Modification: Supplemental Agreement for work within scope Total Amount for this Modification: \$75,312.00 New Total Amount for this Version: \$197,496.00 New Total Amount for this Award: \$197,496.00 Obligated Amount for this Modification: \$75,312.00 New Total Obligated Amount for this Award: \$197,496.00				
	Incremental Funded Amount changed: from \$122,184.00 to \$197,496.00 CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$122,184.00 to \$197,496.00				
	Obligated Amount for this modification: \$75,312.00 Incremental Funded Amount changed from \$122,184.00 to \$197,496.00				
	CHANGES FOR DELIVERY LOCATION: HPOD RRB Amount changed from \$122,184.00 to \$197,496.00				
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	EP-W-10-056/0061/004	3	7

(A)	(A)	(C)	(D)	/E3	/ E ⁻¹
	(B) .	(0)	יחו	(E)	(F)
	CHANGES FOR ACCOUNTING CODE:				
	13-14-B-31M-302DA2-2585-1331MRP011-001				
	Percent changed from 30.59566 to 18.92848				
	NEW ACCOUNTING CODE ADDED:	-			
	Account code:		i i		
	14-15-B-31M-302DA2-2585-1431MRP007-001				
	Beginning FiscalYear 14			,	
ľ	Ending Fiscal Year 15		1		
	Fund (Appropriation) B				
	Budget Organization 31M		1 1		
	Program (PRC) 302DA2	1			
	Budget (BOC) 2585				
	Job # (Site/Project)		li		
	Cost Organization				
	DCN-LineID 1431MRP007-001		ŀ		
ľ	Quantity: 0				
	Amount: \$75,312.00				
	Percent: 38.13343			1	
	Subject To Funding: N				
	Payment Address:				
	rayment Address.		l	İ	
	Payment:				
	RTP Finance Center		ľ		
	US Environmental Protection Agency				
1	RTP-Finance Center (D143-02)				
ì	109 TW Alexander Drive				
	Durham NC 27711				
·	FOB: Destination				
1	Period of Performance: 06/06/2013 to 10/31/2014				
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005		06/20/20				0	, trice (in application)
6. ISSUED BY	CODE	SRRPOD		7. ADI	MINISTERED BY (If other than Item 6)	CODE	
Superfu Operati 1200 Pe	ronmental Protection nd/RCRA Regional Proc ons nnsylvania Ave, NW ton DC 20460						
	ADDRESS OF CONTRACTOR (No., stree	t, county, State and	ZIP Code)	υ\ 9A.	AMENDMENT OF SOLICITATION NO.		
ICF INCO	ORPORATED, L.L.C. E HIGHWAY VA 220316050	, ccu,,, cuic u.o.		9B. × 10/ × EI	DATED (SEE ITEM 11) A. MODIFICATION OF CONTRACT/ORD -W-10-056 61 B. DATED (SEE ITEM 13)	DER NO.	
CODE 07	2648579	FACILITY COL	PE ·	0	6/06/2013		
		11. THIS ITE	M ONLY APPLIES TO AN	MENDM	IENTS OF SOLICITATIONS		
THE PLACE virtue of this to the solicit		OFFERS PRIOR or already submitt d prior to the ope quired) ODIFICATION O	TO THE HOUR AND DA' ed, such change may be in the such change may be in the such that	TE SPE made t ied.	ECIFIED MAY RESULT IN REJECTION by telegram or letter, provided each telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon telegon	OF YOUR OFFER tram or letter make	. If by s reference ITEM 14.
x	B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEMEN					anges in paying off	īce,
	D. OTHER (Specify type of modification	and authority)					
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	iffany Kollar Max Exp pose of this modifica						
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	vided herein, all terms and conditions of the	ne document refe	renced in Item 9A or 10A,	as her	etofore changed, remains unchanged ar	nd in full force and	effect.
	ND TITLE OF SIGNER (Type or print)			16A.	NAME AND TITLE OF CONTRACTING		
15B. CONTRA	ACTOR/OFFEROR		15C. DATE SIGNED	4,	nolyn W. Mosinski	ELECTRON	
	(Signature of person authorized to sign)			·``		SIGNATUR	E 06/20/2014

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CONTINUATION SHEET	EP-W-10-056/0061/005	2	2

M NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	(D)	UNIT PRICE (E)	AMOUNT (F)
	Reason for Modification : Other Administrative		П		.
	Action				
	Total Amount for this Modification: \$0.00 New Total Amount for this Version: \$0.00				
	New Total Amount for this Award: \$197,496.00	1			
	Alternate COR/Project Officer changed to : Jenny				
	Stephenson				
	Payment: RTP Finance Center				
	US Environmental Protection Agency		1 1		
	RTP-Finance Center		1 1		
	Mail Drop D143-02				
	109 TW Alexander Drive				
	Durham NC 27711				
	Period of Performance: 06/06/2013 to 10/31/2014				
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006		See Block 16C				
6. ISSUED BY	CODE	SRRPOD	7. ADI	MINISTERED BY (If other than Item 6)	CODE	
Superfu Operati	ronmental Protection nd/RCRA Regional Proc ons nnsylvania Ave, NW	<i>-</i>			L	
	ton DC 20460					
	ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.		-
	orporated, L.L.C. MICHAEL GRAY		9B	DATED (SEE ITEM 11)		
	E HIGHWAY VA 220316050		X EI	N. MODIFICATION OF CONTRACT/ORDER NO 2-W-10-056	D .	
) 61 B. DATED (SEE ITEM 13)		
CODE 07	10.640570	FACILITY CODE	⊣ ∣	, ,		
	2648579			6/06/2013		
□ The above	numbered solicitation is amended as set fo	11. THIS ITEM ONLY APPLIES TO			ded, ∏isn	
Items 8 and separate let THE PLACE virtue of this to the solicit	15, and returning cop- ter or telegram which includes a reference E DESIGNATED FOR THE RECEIPT OF (s amendment you desire to change an offe tation and this amendment, and is received TING AND APPROPRIATION DATA (If reg	oies of the amendment; (b) By acknow to the solicitation and amendment nu DFFERS PRIOR TO THE HOUR AND ralready submitted, such change may I prior to the opening hour and date spuired)	rledging red mbers. FA DATE SPI be made I becified.	on or as amended, by one of the following meth eipt of this amendment on each copy of the offe LURE OF YOUR ACKNOWLEDGEMENT TO E CIFIED MAY RESULT IN REJECTION OF YO by telegram or letter, provided each telegram or	er submitted; c BE RECEIVED IUR OFFER. I letter makes r	or (c) By O AT If by reference
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORD	ERS. IT M	DDIFIES THE CONTRACT/ORDER NO. AS DES	CRIBED IN IT	'ЕМ 14.
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) Ti	HE CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN TH	IE CONTRAC	т
				MINISTRATIVE CHANGES (such as changes in OF FAR 43.103(b).	n paying office	,
,,	C. THIS SUPPLEMENTAL AGREEMEN		AUTHOR	TY OF:		
X	By Mutual Agreement of D. OTHER (Specify type of modification					
	are the transfer of the transf					
E. IMPORTAN	T: Contractor is not.	x is required to sign this document	and return	1copies to the issuing	office.	
DUNS Nur				olicitation/contract subject matter where feasible	le.)	
	iffany Kollar Max Exp. pose of this bilatera					
1) Exter	nd the period of perfo	ormance.				•
The peri	iod of performance end	d date for this tas	k ord	er is changed form Octob	per 31,	2014, to
_	=			ion is at no additonal c		
Governme Continue		s due to delays bey	ond th	ne contractor's control.		
Except as pro	vided herein, all terms and conditions of the	e document referenced in Item 9A or	10A, as her	etofore changed, remains unchanged and in full	I force and eff	ect.
15A. NAME A	ND TITLE OF SIGNER (Type or print)			NAME AND TITLE OF CONTRACTING OFFIC Olyn Mosinski	ER (Type or p	rint)
15B. CONTRA	ACTOR/OFFEROR	15C. DATE SIGNED	11	ACTUARIA INT. THE CONTRACTO	ECTRONIC	16C. DATE SIGNED 10/30/2014
	(Signature of person authorized to sign)		<u> </u>	<i>V</i> 3	IGNATURE	10/30/2014

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF	
	EP-W-10-056/0061/006	2	2	

NAME OF OFFEROR OR CONTRACTOR
ICF Incorporated, L.L.C

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	All other terms and conditions remain unchanged.				}
	LIST OF CHANGES:				
	Reason for Modification : Supplemental Agreement				
	for work within scope	,			
	Period Of Performance End Date changed from				
	2014-10-31 to 2014-11-21				
	Maximum Potential Expiration Date changed to: 11/21/2014		1		
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center				
	Mail Drop D143-02 109 TW Alexander Drive				
	Durham NC 27711				
	Period of Performance: 06/06/2013 to 11/21/2014				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRAC	т	1. CONTRACT ID	CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHA	SE REQ. NO.	5. PROJECT NO. (If applicable)
007	See Block 16C				
6. ISSUED BY CODE	SRRPOD	7. A	OMINISTERED BY (If	other than Item 6)	CODE
SRRPOD US Environmental Protection Superfund/RCRA Regional Proc Operations 1200 Pennsylvania Ave, NW Washington DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., stree	t, county, State and ZIP Code)	(x) 9	A. AMENDMENT OF	SOLICITATION NO.	
ICF Incorporated, L.L.C. Attn: F. MICHAEL GRAY 9300 LEE HIGHWAY FAIRFAX VA 220316050		× 1 E	B. DATED (SEE ITEM OA. MODIFICATION C P-W-10-056 1061 OB. DATED (SEE ITEM	DF CONTRACT/ORDER N	10.
CODE 072648579	FACILITY CODE		06/06/2013		
	11. THIS ITEM ONLY AP	PLIES TO AMEND	MENTS OF SOLICITA	ATIONS	· · · · · · · · · · · · · · · · · · ·
Offers must acknowledge receipt of this amendment of lems 8 and 15, and returning co separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If received the second	pies of the amendment; (b) B to the solicitation and amend OFFERS PRIOR TO THE HC or already submitted, such cha d prior to the opening hour an quired)	y acknowledging redment numbers. Four AND DATE Stange may be made date specified.	eceipt of this amendm AILURE OF YOUR AG PECIFIED MAY RESU by telegram or letter,	ent on each copy of the off CKNOWLEDGEMENT TO JLT IN REJECTION OF YO provided each telegram o	fer submitted; or (c) By BE RECEIVED AT OUR OFFER. If by or letter makes reference
A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRAL appropriation date, etc.) SET FORTI	CT/ORDER IS MODIFIED TO HIN ITEM 14, PURSUANT TO T IS ENTERED INTO PURS	REFLECT THE A	DMINISTRATIVE CHAY OF FAR 43.103(b).		
X By Mutual Agreement					
D. OTHER (Specify type of modification	and authority)			•	
E.IMPORTANT: Contractor		headings, including	solicitation/contract s	subject matter where feasit	
TOPO: Tiffany Kollar Max Exp The purpose of this bilatera					
1) Extend the period of perf	ormance.				
The period of performance en to November 25, 2014. This p Government. This extension i Continued Except as provided herein, all terms and conditions of the	eriod of perfo s due to delay	rmance ext s beyond t	tension is the contrac	at no additio tor's control	nal cost to the
15A. NAME AND TITLE OF SIGNER (Type or print)			rolyn Mosir	of contracting offi Iski	CER (Type or print)
15B. CONTRACTOR/OFFEROR	15C. DATE	SIGNED 11	Cawlyn W.	Mosinski E	ELECTRONIC 16C. DATE SIGNED SIGNATURE 11/17/2014
(Signature of person authorized to sign)		<u></u>	V		SIGNATURE 11/17/2014

2011	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE O	F
CONTINUATION SHEET	EP-W-10-056/0061/007	2	2

NAME OF OFFEROR OR CONTRACTOR ICF Incorporated, L.L.C.

EM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE		AMOUNT
(A)	(B)	(C)	(D)	(E)		(F)
	All other terms and conditions remain unchanged.					
	All other terms and conditions remain unchanged.	,			,	
	LIST OF CHANGES:					
	Reason for Modification : Supplemental Agreement for work within scope					
	Period Of Performance End Date changed from					
	2014-11-21 00:00:00 to 2014-11-25 00:00:00					
	Maximum Potential Expiration Date changed to:					
	11/25/2014 Payment:					
	RTP Finance Center			•	•	
	US Environmental Protection Agency					
	RTP-Finance Center Mail Drop D143-02			•		
	109 TW Alexander Drive	!		•		
	Durham NC 27711					
	Period of Performance: 06/06/2013 to 11/25/2014					
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AMENDMENT OF SOLICITAT	ION/MODIFICA	ATION OF CO	NTRACT		CONTRACT ID CODE	١	PAGE OF	PAGES
2. AMENDMENT/MODIFICATION NO		3. EFFECTIVE	DATE	4. F	EQUISITION/PURCHASE REQ. NO.	5. PRC	DECT NO.	. (If applicable)
800		See Bloc	k 16C					
6. ISSUED BY	CODE	SRRPOD		7.7	ADMINISTERED BY (If other than Item 6)	CODE		
SRRPOD US Environmental Pr Superfund/RCRA Regi Operations 1200 Pennsylvania A	onal Proc ve, NW	-						
Washington DC 20460 8. NAME AND ADDRESS OF CONTR		sounty State and	7/D Code)	_	9A. AMENDMENT OF SOLICITATION NO.			
ICF Incorporated, L. Attn: F. MICHAEL GRA 9300 LEE HIGHWAY FAIRFAX VA 220316050	L.C.	county, State and		(X)	9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NEP-W-10-056 0061 10B. DATED (SEE ITEM 13)	IO.		
CODE 072648579		FACILITY COD	E		06/06/2013			
		11. THIS ITE	M ONLY APPLIES TO A	MEN	IDMENTS OF SOLICITATIONS			
Items 8 and 15, and returning separate letter or telegram which inc	this amendment p copcludes a reference HE RECEIPT OF C to change an offer amendment, and i	rior to the hour a bies of the amend to the solicitation DFFERS PRIOR r already submitt is received prior	nd date specified in the s Iment; (b) By acknowled I and amendment numbe TO THE HOUR AND DA' ed , such change may be o the opening hour and o	olici ging ers. TE S e ma date	tation or as amended, by one of the following me receipt of this amendment on each copy of the of FAILURE OF YOUR ACKNOWLEDGEMENT TO SPECIFIED MAY RESULT IN REJECTION OF YO de by telegram or letter, provided each telegram or specified.	ethods: (a ffer subm) BE REC OUR OFF or letter n	nitted; or (c CEIVED AT ER If by makes	oleting c) By
See Schedule	HON DAIA(II requ	incuj	мет	D	ecrease: -:	γ Ι, 4 (63.66	
	Y APPLIES TO M	ODIFICATION O	CONTRACTS/ORDERS	S. 1T	MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBE	D IN ITEM	14.
ORDER NO. IN ITE	M 10A.				NGES SET FORTH IN ITEM 14 ARE MADE IN T			
			DDIFIED TO REFLECT T RSUANT TO THE AUTH		ADMINISTRATIVE CHANGES (such as changes ITY OF FAR 43.103(b). ORITY OF:	in paying	g office,	
D. OTHER (Specify ty	no of modification	and authority)						
			Funds (APR 1	98	4)			
E. IMPORTANT: Contractor	☐is not.		sign this document and			a office.		
	MODIFICATION (og solicitation/contract subject matter where feasil			
this Task Order. The	ar Max Exp modifica e new tota	pire Date tion is t al amount	e: 11/25/2014 to de-obligat t of funding	l e ol	funding in the amount of oligated is now \$196,032. under this Task Order. T	34.	All s	ervices
	r this Mo	dificatio	on: -\$1,463.6	۸, a:	s heretofore changed, remains unchanged and in			
15A. NAME AND TITLE OF SIGNER	Type or print)			1	6A.NAME AND TITLE OF CONTRACTING OFFI Lark Heare	CER (19)	μ e or print,	,
15B. CONTRACTOR/OFFEROR			15C. DATE SIGNED		B. UNITED STATES OF AMERICA		16	C. DATE SIGNED
(Signature of person autho	rized to sign)			<u>l</u> .	(Signature of Contracting Officer)		-	

CONTINUATION CHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE 0	F
CONTINUATION SHEET	EP-W-10-056/0061/008	2	2

NAME OF OFFEROR OR CONTRACTOR ICF Incorporated, L.L.C.

,,,	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B) .	(C)	(D)	(E)	(F)
	Incremental Funded Amount changed from				
	\$197,496.00 to \$196,032.34]			
	CHANGES FOR ACCOUNTING CODE:				
	14-15-B-31M-302DA2-2585-1431MRP007-001				
	Amount changed from \$76,113.00 to \$74,649.34	i.			
	Delivery Location Code: HPOD RRB				
	HPOD RRB				
	US Environmental Protection Agency USEPA Ronald Reagan Building (RRB)				
	1300 Pennsylvania Avenue NW	İ			
	Washington dc 20004 USA				
	washington de 20004 USA				
	Payment:				
	RTP Finance Center				
	US Environmental Protection Agency				
	RTP-Finance Center (D143-02)				
	109 TW Alexander Drive				
	Durham NC 27711				
	FOB: Destination				
	Period of Performance: 06/06/2013 to 11/25/2014				
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